

***What Is Claimed Is:***

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A1

1. A method of correlating information related to an entrant within a predetermined area, comprising the steps of:
- 5 a. obtaining information relating to the entrant in said predetermined area;
- b. determining at least one position of the entrant within said predetermined area using impulse radio techniques; and
- c. correlating information about the entrant to said at least
- 10 one position of the entrant.

2. The method of claim 1, further comprising the step of reporting said correlated information according to desired parameters.

- 15 3. The method of claim 1, wherein said step of obtaining information relating to the entrant in said predetermined area comprises manual input of personal information into a computer in response to questions from an attendant at an entrance to said predetermined area.

- 20 4. The method of claim 1, wherein said step of obtaining information relating to the entrant in said predetermined area comprises requiring the entrant to input said information via the Internet.

5. The method of claim 1, wherein said step of obtaining information
- 25 relating to the entrant in said predetermined area comprises requiring the entrant to input said information via a computing device.

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A2

6. The method of claim 1, wherein said step of correlating comprises associating an impulse radio TAG with the entrant, wherein position of the

entrant is determined using said information about the entrant and a position of the impulse radio TAG determined by impulse radio techniques.

7. The method of claim 6, wherein said information comprises  
5 gender of the entrant.

8. The method of claim 6, wherein said information comprises age  
of the entrant.

10 9. The method of claim 6, wherein said information comprises native  
language of the entrant.

10. The method of claim 6, wherein said information comprises a  
physical description of the entrant.

15 11. The method of claim 6, wherein, if the entrant is a child, said  
information comprises an indication of whether the child is accompanied by a  
parent or guardian.

20 12. The method of claim 1, wherein said predetermined area is a  
theme park.

13. The method of claim 1, wherein said predetermined area is a  
shopping mall.

25 14. The method of claim 1, wherein said predetermined area is an  
office building.

30 15. The method of claim 1, wherein said predetermined area is a  
prison.

16. The method of claim 1, wherein said predetermined area is a convention center.

5 17. The method of claim 1, wherein said predetermined area is a zoo.

18. The method of claim 1, wherein said predetermined area is a museum.

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19. A system of controlling functions in response to position information determined by impulse radio techniques, comprising:

an impulse radio positioning device; and

an interface with a controller, said controller acting upon a function based upon predetermined position parameters.

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20. The system of claim 19, wherein said function is activating an alarm when an entrant is in a particular position within a predetermined area.

21. The system of claim 19, wherein said function is activating a communicating device.

22. The system of claim 20, wherein said communication device comprises an impulse radio, said impulse radio communicating information specific to the position wherein the entrant is located.

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23. The system of claim 19, wherein said function is a visual alarm that illuminates an area wherein an entrant is located.

24. The system of claim 19, wherein said function is an alerting means to alert an entrant of an unsafe position.

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25. The system of claim 19, wherein said controller is a microprocessor.

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